

# Mura ORM + Feed API = Awesomeness

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# About Me

- Software Consultant ([southofshasta.com](http://southofshasta.com))
  - Software Development, Training, Design
- ColdFusion, C++, Java, jQuery, PHP, .NET, HTML5, Android, SQL, etc...
- Manager of SacInteractive User Group
- Reformed Video Game Developer (Grim Fandango, SimPark, StarWars Rogue Squadron, etc).
- Music Junkie



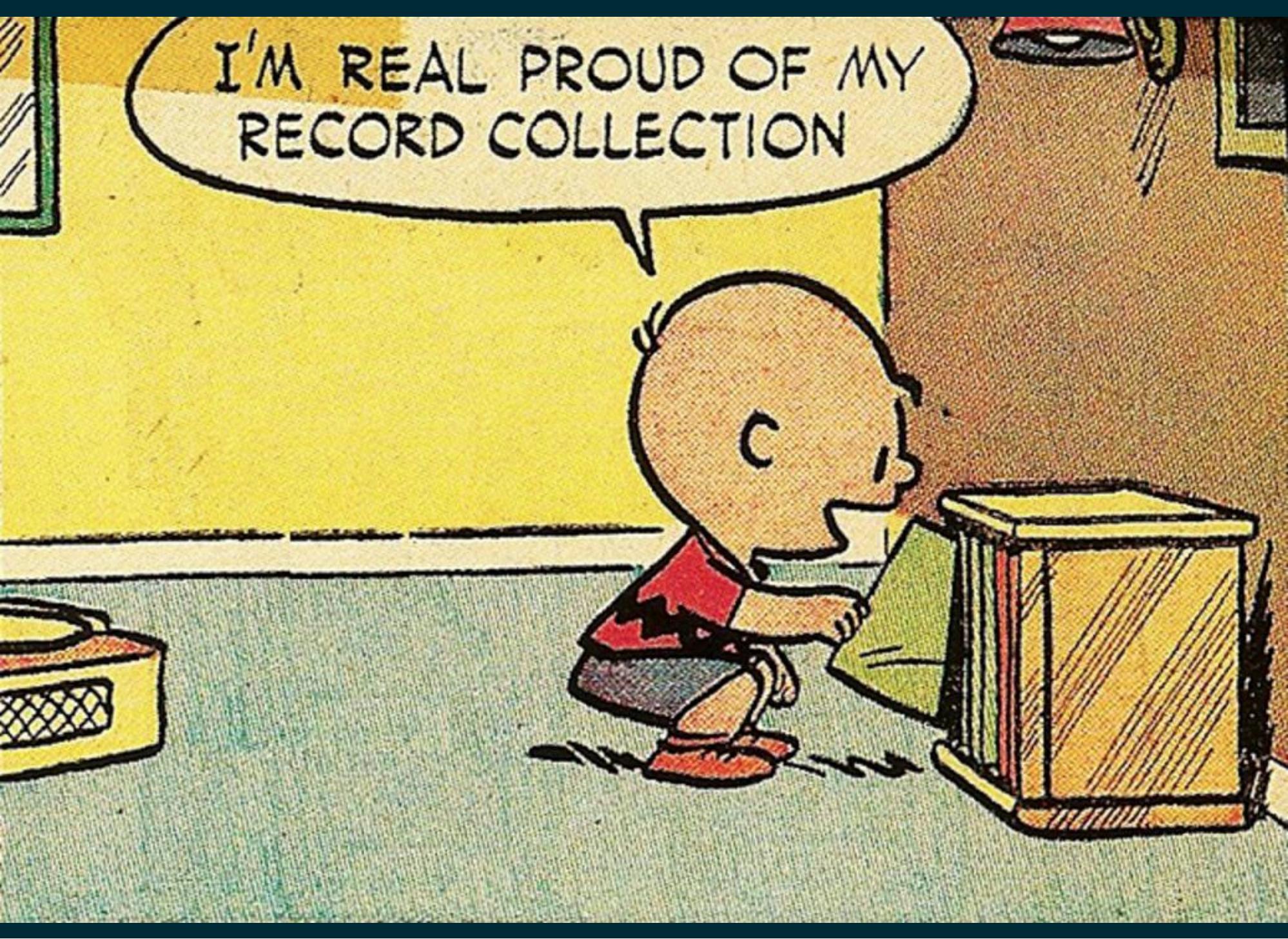








I'M REAL PROUD OF MY  
RECORD COLLECTION





# Today's Agenda

- What is ORM?
- Why use ORM?
- Mura ORM in action
- What is the Feed API?
- Feed API in action
- Questions, etc



# Code And Slides

GitHub: nolanerck

mura7-presentations



# Show of hands...who loves writing SQL?

- Time consuming
- Repetitive CRUD for each table
- So many commas and single quotes
- Formatting dates
- Different from MySQL to Oracle to MS to...
- Do you plan to sell your app?
- And support multiple databases?
- Make it stop!
- Enter ORM



# What is ORM?

- Object Relational Mapping
- Fancy phrase for "Write objects instead of SQL"
- You write objects, objects write the SQL for you
- Not specific to Mura or even ColdFusion
  - Mura ORM = Mura
  - CF ORM = ColdFusion
  - Hibernate = Java
  - Entity Framework = C#
  - etc



# Code Time!



# What's the catch with ORM?

- Different way of thinking
- Debugging is different
- Can't run queries in SQL IDE
- Everything is "select \* from table"
- (Same problems with any ORM library, not specific to Mura ORM)
- Mura ORM doesn't add foreign key constraints (yet?)



Now, onward to the Feed API...



# Feed API Highlights

- Much easier syntax
- Less verbose
- Reads like plain English, not terse code
- Similar to OO, jQuery, etc



# Code Time!



# Other Feed API Tips

- `getQuery()` for `CFQuery` return type
  - `maxItems(0)` to get all records
- `getIterator()` to get Mura Beans
  - Page: `getTitle()`, `getSummary()`
  - Also returns extended attributes, categories, other related Mura items
  - With no extra work on your end
  - `setNextN()` instead of `maxItems()` to return all records



# Other Feed API Tips

- Ties into MXP: `sort( 'mfpRelevance' )`
- Client-side option also available via JavaScript
  - JSON API & Mura ORM Via The Magic Of DataTables, Grant Shepert



# What's the catch with Feed API?

- Remember maxItems( 0 ) to get back all records
- Builds upon Mura ORM, same behavior/performance
  - Select \* from table
  - But you're no longer writing SQL!
  - If performance is truly an issue
    - Run a profiler, find the REAL problem
    - Caching options in CF/Lucee and Mura
    - Can mix and match ORM + real SQL if need be



# Questions? Comments?

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Thanks!

